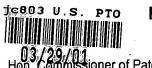
# D STATES PATENT AND TRADE REQUEST OR FILING NATIONAL PATENT AN LICATION

Under 35 USC 111(a) and Rule 53(b)

PATENT APPLICATION



nissioner of Patents Washington, D.C. 20231

WITH SIGNED DECLARATION

**NONPROVISIONAL NON REISSUE** NON PCT NAT PHASE

00909

Sir:	_				
Herewith is the <u>PATENT APPLIC</u> Inventor(s): KAKIHARA, MASAK					
Title CHARGING DEVICE		•			
		Atty. Dkt.:	P 279165	TYF-9951	
		·	M#	Client Ref	
including:	Date: March 28, 2001				
1. Specification: 314 pages (only spec. and claims) 2. Specification in non-English language 3. Declaration Original Facsimile/Copy Abstract 1 page(s); 32 numbered claims 4 Drawings: 87 sheet(s) informal; Some of size: A4 11" 5 See top first page re prior Provisional, National or International application(s). ("X" box only if info is there and do not complete item 6 or 7). (Prior M# SN ) 6 This application claims benefit of the following prior US application(s), the contents of which are incorporated into this application by this reference:    No. / filed   No. / filed   No. / filed					
h. Alana Aa-a-la		 eel		rame	
by Assignment recorde	d R under 35 USC 119(a)-(d)/365(b)			Taille	
11.	under 33 000 113(a)-(a)/303(b)		(countr	ν)	
Application No.			·····	Filing Date	
(1) 10-288301	October 9, 1998	Application No. (2) 10-288302		ober 9, 1998	
(3) 10-294307	October 15, 1998	(4) 10-339216	<del></del>	ember 30, 1998	
(5) 10-339217	November 30, 1998	(6) 10-339218		ember 30, 1998	
(7) 10-339219	November 30, 1998	(8) 10-339220		ember 30, 1998	
(9) 11-168340	June 15, 1999				
12. (No.) Certified copy (copies): attached; previously filed (date)					
in U.S. Application No. / filed on					
13. Small entity status Ø	<u> </u>				
3(a). Attached: (No.) Small Entity Statement(s) (since 9/8/00 small entity statement(s) hot essential to make claim					
13(b). See NONPUBLICATI	ON REQUEST under Rule 213(a)	attached (Pat-258)			

14. <u>DOMESTIC/INTERNATIONAL</u> priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1) PCT/JP99/05580	October 8, 1999	(4)	
(2)		(5)	
(3)		(6)	

15. This application is being filed under Rule 53(b)(2) since an inventor is named in the enclosed Declaration who was not named in the prior application.
16. Attached: Written Opinion and Form PTO-1449 listing the enclosed documents
17. Preliminary Amendment:  Note: The PCT Publication was not in English  The Poliminary Amendment:

### THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED

: <b>':::</b>					-	
				Large/Small Entity		Fee
. = 						Code
18 Basic Filing Fee				\$710/\$355	\$710	101/201
19 Total Effective Claims	39	minus 20 =	*19	x \$18/\$9 =	+ 342	103/203
20 Independent Claims	9	minus 3 =	*6	x \$80/\$40 =	+ 480	102/202
*If answer is zero or less, enter "0"						
21. If any proper multiple dependent claim (ignore improper) is present, add			+ \$270/\$135	+ 270	104/204	
(Leave this line blank if this is a reissue application)						
22. TOTAL FILING FEE ENCLOSED =					\$1802	
23. L "non-English" box 2 is X'd, add Rule 17(k) processing fee			+ \$130	+0	139	
24-If "assignment" box 8 is X'd, add recording fee			+ \$40	+ 40	581	
25 Attached is a Petition/Fee under Rule No.			+ \$130	+0	122	
26.				TOTAL FEE ENCLOSED =	\$1842	

Our Deposit Account No. 03-3975			
Our Order No. 41194 c#	41194	279165	
	C#	M#	00909

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

NOTE: File in duplicate with 2 post card receipts (PAT-103) & attachments

•	Pillsbury Winthrop LLP Intellectual Property Group	
<b>Sec.</b> •	By Atty: G. Lloyd Knight	Reg. No. 17698
	Sig:	Fax: (202) 822-0944
ttv/Sec: GLK/mhn		Tel: (202) 861-3090

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PAT-102CN 3/01

### WRITTEN OPINION

V.

## 2. Documents and explanation

The invention described in claims 1 to 32 is not described in any of the documents quoted in International Research Reports nor in JP, 2-298813, A (Mitsubishi Electric Corp.) 11 December, 1990 (11.12.90) (no family), in addition, it is not evident to one skilled in the art.

#### VIII. WRITTEN OPINION

The opinion concerning the clarity of the claims, specification and drawings or concerning the adequacy of the evidence in the specification supporting the claims is as follows.

Claims 23 to 25, 28 and 31 of the original Japanese application contain the phrase "its own", however, the specific structure described by this is unclear.

Claim 25 of the original Japanese application contains a grammatical error in Japanese. This causes the interpretation of the claim to be unclear.

Claim 26 of the original Japanese application contains a spelling error in Japanese. This causes the interpretation of the claim to be unclear.

Claim 31 of the original Japanese application contains a spelling

error in Japanese. This causes the interpretation of the claim to be unclear.

Claim 31 of the original Japanese application contains the phrase "what is actually only one passage in the vicinity of", however, the specific structure described by this is unclear.